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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/599,757	10/06/2006	Kevin Michael Mills	139257WOUS	3807	
81352	7590	06/08/2011	EXAMINER		
RG and Associates		KASRAIAN, ALLAHYAR			
1103 Twin Creeks		ART UNIT		PAPER NUMBER	
Allen, TX 75013		2617			
		NOTIFICATION DATE		DELIVERY MODE	
		06/08/2011		ELECTRONIC	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

michele.zarinelli@gmail.com  
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<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/599,757	MILLS, KEVIN MICHAEL
	<b>Examiner</b>	<b>Art Unit</b>
	ALLAHYAR KASRAIAN	2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 18 April 2011.

2a) This action is **FINAL**.                            2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-28 and 30-32 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-28 and 30-32 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____ .
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)	5) <input type="checkbox"/> Notice of Informal Patent Application
Paper No(s)/Mail Date. _____ .	6) <input type="checkbox"/> Other: _____ .

## DETAILED ACTION

### **Remarks**

1. The present Office Action is based upon the Applicant's amendment filed on Dec. 08, 2010. **Claims 1-28 and 30-32** are still pending in the present application.
2. Claim rejections under 35 U.S.C. § 112, second paragraphs, are withdrawn.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

- A. **Claims 1-28 and 30-32** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Beauford (US Patent Application Pub. # 20050094796)** in view of **DeMent et al. (US Patent Application Pub. # 20050117726)** (hereinafter DeMent).

Consider **claim 1**, Beauford discloses a method for providing a personalized ring

back tone, comprising:

receiving a location request return result message at a mobile switching center (MSC) (FIG. 2, par. 0026);  
responsive to receiving the location request return result message, transmitting an initial address message (IAM) to initiate seizure of an outgoing circuit and to provide call routing information to a personal ring back tone platform (par. 0029 for the IAM 206 and call termination at IP 106; IP 106 is considered as a personal ring back tone platform, see par. 0022, 0024 and 0034);

responsive to transmitting the IAM, receiving an address complete message (ACM) [with an optional backward call indicator parameter] at the MSC (par. 0032); and receiving the personalized ring back tone from the personal ring back tone platform while normal call progress is occurring (par. 0034).

However, Beauford fails to explicitly disclose receiving the address complete message (ACM) with an optional backward call indicator parameter.

In the same field of endeavor, DeMent discloses receiving the address complete message (ACM) with an optional backward call indicator parameter (par. 0132 with consideration of par. 0113).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator parameter as taught by DeMent to the ACM and CPS messages as disclosed by Beauford for purpose of determining the called part status.

Consider **claim 2**, Beauford as modified by DeMent discloses the claimed

invention **as applied to claim 1 above**, and Beauford further discloses wherein the location request message is sent by a user's HLR (par. 0026).

Consider **claim 3**, Beauford as modified by DeMent discloses the claimed invention **as applied to 2 above**, and Beauford further discloses wherein the personalized ring back tone is provided to a user's device (par. 0024).

Consider **claim 4 as applied to 3 above**, and DeMent further discloses wherein the personalized ring back tone is provided via an open rerve voice path between the personal ring back tone platform and the device (par. 0119).

Therefore, it would have been obvious to a person or ordinary skill in the art at the time the invention was made to incorporate an audio channelas taught by DeMent to the IP 106 (the personal ring back tone platform) as disclosed by Beauford for purpose of using an audio or voice channel for ring tone.

Consider **claim 5 as applied to 1 above** and, DeMent discloses if the ACM is received without the optional backward call indicator parameter, receiving a call progress message with an optional backward call indicator parameter at the MSC (par. 0133).

Therefore, it would have been obvious to a person or ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator as taught by DeMent to the ACM and CPS messages as disclosed by Beauford for purpose of determining the called part status.

Consider **claim 6**, Beauford as modified by DeMent discloses the claimed invention **as applied to 5 above**, and Beauford further discloses providing the

personalized ring back tone from the personal ring back tone platform based on the received call progress message (par. 0033-0034).

Consider **claim 7**, Beauford as modified by DeMent discloses the claimed invention **as applied to 2 above**, and Beauford further discloses receiving an IAM from the MSC to a terminating network (par. 0029-0030).

Consider **claim 8**, Beauford as modified by DeMent discloses the claimed invention **as applied to 7 above**, and Beauford further discloses receiving an ACM from the terminating network to the MSC (par. 0032, 0037).

Consider **claim 9**, Beauford as modified by DeMent discloses the claimed invention **as applied to 8 above**, and Beauford further discloses receiving an answer message (ANM) from the terminating network to the MSC (par. 0033, 0037).

Consider **claim 10**, Beauford as modified by DeMent discloses the claimed invention **as applied to 9 above**, and Beauford further discloses receiving a release message from the MSC to the personal ring back tone platform (par. 0034, 0038).

Consider **claim 11**, Beauford as modified by DeMent discloses the claimed invention **as applied to 10 above**, and Beauford further discloses wherein the personalized ring back tone is no longer provided based on at least one of: the received release message or the ANM (par. 0034).

Consider **claim 12**, Beauford as modified by DeMent discloses the claimed invention **as applied to 10 above**, and Beauford further discloses wherein the calling party device is joined with a called party device (par. 0034).

Consider **claim 13**, Beauford as modified by DeMent discloses the claimed

invention **as applied to 12 above**, and Beauford further discloses wherein the called party device is associated with the ANM (par. 0033, 0037).

Consider **claim 14**, Beauford as modified by DeMent discloses the claimed invention **as applied to 7 above**, and Beauford further discloses wherein the terminating network includes the MSC (par. 0016, 0034).

Consider **claim 15**, Beauford as modified by DeMent discloses the claimed invention **as applied to 7 above**, and Beauford further discloses wherein the terminating network includes another MSC (par. 0016, 0034; it is inherently taught a mobile communication networks includes plurality of MSCs).

Consider **claim 16 as applied to claim 1 above**, DeMent discloses wherein the optional backward call indicator includes at least one of: an element header; an in-band information indicator=1; a call forward may occur indicator; a simple segmentation indicator; a network excessive delay indicator; a user-network interaction indicator=1; a MLPP user indicator; spare bits; or reserved bits (par. 0128, 0132, 0138).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator including in-band information and call forward indicators as taught by DeMent to the ACm message as disclosed by Beauford for purpose of causing value parameter indicating an unsuccessful call.

Consider **claim 17**, Beauford discloses a method for providing a ring back tone, comprising:

receiving an initial address message (IAM) at a sound platform from a mobile

switching center (MSC), the IAM initiating seizure of an outgoing circuit and providing call routing information to the sound platform (FIG. 2, par. 0029 for the IAM 206 and call termination at IP 106; IP 106 is considered as a sound platform, see par. 0022, 0024 and 0034);

receiving an address complete message (ACM) at the MSC from the sound platform (par. 0032, 0037); and

receiving the ring back tone from the sound platform (par. 0034).

However, Beauford fails to explicitly disclose the address complete message (ACM) includes an optional backward call indicator parameter.

In the same field of endeavor, DeMent discloses the address complete message (ACM) includes an optional backward call indicator parameter (par. 0132).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator as taught by DeMent to the ACM message as disclosed by Beauford for purpose of determining the called part status.

Consider **claim 18**, Beauford as modified by DeMent discloses the claimed invention **as applied to 17 above**, and Beauford further discloses wherein the ring back tone is received by a device associated with the IAM (par. 0022, 0034, 0002).

Consider **claim 19 as applied to 18 above**, and DeMent further discloses wherein the ring back tone is based on at least one of: a called party, a called party number, a called party device, a calling party, a calling party number, a calling party device, a time of day, a day of the year, or a location (par. 0003).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the custom ring-back tone service that may specify one of several audio clips to be played by a respective phone switch network based on caller identification, time-of-day, or other factors as taught by DeMent to ring back tone as disclosed by Beauford for purpose of specifying the type of ring back tone.

Consider **claim 20**, Beauford discloses a non-transitory computer readable storage medium comprising instructions that when executed by a processor cause the processor to perform:

transmitting an initial address message (IAM) to a first module from a mobile switching center (MSC), the IAM initiating seizure of an outgoing circuit and providing call routing information to the sound platform (FIG. 2, par. 0029, for the IAM 206 and call termination at IP 106; the IP 106 is considered as the first module); receiving an address complete message (ACM) at the MSC from the first module (par. 0032, 0037);

However, Beauford fails to explicitly disclose the second message includes an optional backward call indicator; and receiving a ring back tone from the first module responsive to the received optional backward call indicator.

In the same field of endeavor, DeMent discloses the second message includes an optional backward call indicator (par. 0132); and providing a ring back tone from the first module based on the received optional backward call indicator (par. 0128, 0138).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator as taught by DeMent to the ACM message as disclosed by Beauford for purpose of determining the called part status.

Consider **claim 21**, Beauford discloses a system for providing a personalized ring back tone, comprising:

a mobile switching center (MSC) (FIG. 1 and 2, par. 0016, 0026) configured to:

receive a location request return result message (par. 0026),  
and responsive to receiving the location request return result message,  
transmit an initial address message (IAM) to initiate seizure of an outgoing circuit  
and to provide call routing information to a personal ring back tone module (FIG. 2,  
par. 0029, for the IAM 206 and call termination at IP 106);

the personal ring back tone module operably coupled to the MSC (FIG. 3, par.  
0022), the personal ring back tone module configured to:

accept at least one call leg of multiple call legs to connect a calling party, via  
the at least one call leg, to the personalized ring back tone, (par. 0034); and  
play the personalized ring tone (par. 0034).

However, Beauford fails to disclose the connection to the personalized ring back tone is responsive to a received addressed complete message (ACM) including an optional backward call indicator parameter; request a voice channel to be opened; and play the personalized ring tone via the voice channel.

In the same field of endeavor DeMent discloses the connection to the personalized ring back tone is responsive to a received addressed complete message (ACM) including an optional backward call indicator parameter (par. 0132); request a voice channel to be opened (par. 0057); and play the personalized ring tone via the voice channel (par. 0057 and 0019).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator and playing the ringtone through an audio channel as taught by DeMent to the ACM message as disclosed by Beauford for purpose of determining the called party status.

Consider **claim 22**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 21 above**, and Beauford further discloses wherein the personal ring back tone module includes identifiers to a called party's sound files (par. 0019-0021, 0030).

Consider **claim 23**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 22 above**, and Beauford further discloses wherein the personal ring back tone module receives an indication of the calling party from the MSC and based on the indication, provides a sound file identifier (par. 0029).

Consider **claim 24**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 23 above**, and Beauford further discloses wherein the personalized ring tone is played to a calling party based on the received sound file identifier (par. 0019, 0034).

Consider **claim 25**, Beauford as modified by DeMent discloses the claimed

invention **as applied to claim 21 above**, and Beauford further discloses wherein a second call leg of the multiple call legs is used to attempt a connection to a mobile number (par. 0034).

Consider **claim 26**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 25 above**, and Beauford further discloses wherein the personalized ring tone is played while the connection to the mobile number is attempted (par. 0021, 0034).

Consider **claim 27**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 26 above**, and Beauford further discloses wherein the personalized ring tone is stopped when the connection to the mobile number is successful (par. 0034 and 0038).

Consider **claim 28**, Beauford discloses a communications switch adapted to: receive a location request return result message (par. 0026); responsive to receiving the location request return result message~ transmit an initial address message (IAM) to initiate seizure of an outgoing circuit and to provide call routing information to a personal ring back tone platform (FIG. 2, par. 0029, for the IAM 206 and call termination at IP 106);

send a first call leg and a second call leg in parallel (par. 0034); connect a calling party, via the first call leg, to a personalized ring back tone (par. 0034); connect the calling party to a called party via the second (par. 0034); and release the first call leg upon a connection of the second call leg (par. 0034).

However, Beauford fails to disclose the connection to the personalized ring back tone is responsive to a received address complete message (ACM) including an optional backward call indicator parameter.

In the same field of endeavor DeMent discloses the connection to the personalized ring back tone is responsive to a received address complete message (ACM) including an optional backward call indicator parameter (par. 0132).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator as taught by DeMent to the ACM message as disclosed by Beauford for purpose of determining the called part status.

Consider **claim 30**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 28 above**, and Beauford further discloses wherein the release is based on a received answer message (par. 0034, 0038).

Consider **claim 31**, Beauford as modified by DeMent discloses the claimed invention **as applied to claim 28 above**, and Beauford further discloses wherein the switch is at least one of a mobile switching center or an internet protocol based switch (par. 0030, 0033, 0034, 0016).

Consider **claim 32**, Beauford discloses a personal ring back tone module adapted to:

receive an initial address message (IAM), the IAM initiating seizure of an outgoing circuit and providing call routing information to the personal ring back tone module (FIG. 2, par. 0029, for the IAM 206 and call termination at IP 106);

transmit an address complete message (ACM) (par. 0032, 0037) to a mobile switching center (MSC);  
accept at least one call leg of multiple call legs to connect a calling party, via the at least one call leg, to a personalized ring back tone (par. 0034),  
request a voice channel to be opened; and  
play the personalized ring tone (par. 0034) via the voice channel.

However, Beauford fails to disclose the address complete message (ACM) including an optional backward call indicator parameter; the connection to the personalized ring back tone is based on the received optional backward call indicator parameter; request a voice channel to be opened; and play the personalized ring tone via the voice channel.

In the same field of endeavor, DeMent discloses the address complete message (ACM) including an optional backward call indicator parameter (par. 0132);  
the connection to the personalized ring back tone is based on the received optional backward call indicator parameter (par. 0132);  
request a voice channel to be opened (par. 0057); and  
play the personalized ring tone via the voice channel (par. 0057 and 0019).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to incorporate the optional backward call indicator and playing the ringtone through an audio channel as taught by DeMent to the ACM message as disclosed by Beauford for purpose of determining the called part status.

***Response to Arguments***

4. Applicant's arguments, filed on 04/18/2011, with respect to claim rejections under 35 USC § 103 have been fully considered but they are not persuasive.

On the second full paragraph of page 12 of the Applicant's arguments/remarks, Applicant argues, "DeMent does briefly mention that an ACM message may include an optional backward call indicator, however, there is no disclosure in DeMent of 'receiving a location request return result message at a mobile switching center (MSC); responsive to receiving the location request return result message, transmitting an initial address message (IAM) to initiate seizure of an outgoing circuit and to provide call routing information to a personal ring back tone platform; responsive to transmitting the IAM, receiving an address complete message (ACM) including an optional backward call indicator parameter at the MSC', as recited in claim 1 and similarly recited in claims 17, 20, 21, 28, and 32." As Applicant acknowledged, DeMent clearly discloses the limitation "an address complete message (ACM) with an optional backward call indicator parameter"; in response to Applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck & Co.*, 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Furthermore, DeMent also discloses the argued limitations on par. 0149-0153. Therefore, the limitations as taught by DeMent are explicit and not brief (the teachings of DeMent are related to the same subject matter of the Applicant's invention, i.e., personalized or customized ring back).

Applicant(s) are remained that the Examiner is entitled to give the broadest

reasonable interpretation to the language of the claim. The Examiner is not limited to Applicant's definition, which is not specifically set forth in the claims, *In re Tanaka et al.* 193 USPQ 139, (CCPA) 1977.

The references made herein are done so for the convenience of the Applicant. They are not meant to be limiting and should be considered as a whole.

***Conclusion***

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

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Alexandria, VA 22313-1450

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7. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Allahyar Kasraian whose telephone number is (571) 270-1772. The Examiner can normally be reached on Monday-Thursday from 8:00 a.m. to 5:00 p.m.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Rafael Pérez-Gutiérrez can be reached on (571) 272-7915. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 571-272-4100.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

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/Allahyar Kasraian/  
Examiner, Art Unit 2617

/Rafael Pérez-Gutiérrez/  
Supervisory Patent Examiner, Art Unit 2617